	Application No.	Applicant(s)
Nation of Aller and 114	10/521,470	SHIMADA ET AL.
Notice of Allowability	Examiner	Art Unit
P	PHUC T. DANG	2818
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (6 herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT of the Office or upon petition by the applicant. See 37 CFR 1.313 and the Office of the Offic	OR REMAINS) CLOSED in this apport of the properties of the communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>election filed on Augus</u>	<u>t 10, 2006</u> .	·
2. The allowed claim(s) is/are 1, 3-6, 8-23, 31-52 and 54-57 (re	enumbered as in new claims 1-47).	
 3. Acknowledgment is made of a claim for foreign priority und a) All b) Some* c) None of the: 1. Certified copies of the priority documents have ledged to the priority documents have ledged	peen received. peen received in Application No	
International Bureau (PCT Rule 17.2(a)).	iments have been received in this i	national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" o noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitt INFORMAL PATENT APPLICATION (PTO-152) which gives		
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperso 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's	n's Patent Drawing Review (PTO-	
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the		
6. DEPOSIT OF and/or INFORMATION about the deposing attached Examiner's comment regarding REQUIREMENT F		
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	5. Notice of Informal P	atant Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •
3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>まいな</u> り、041805、061406、481006 € 4. □ Examiner's Comment Regarding Requirement for Deposit 0919 of Biological Material	Paper No./Mail Dat	ė
	.9 (906 8. ⊠ Examiner's Stateme	ent of Reasons for Allowance
	9.	
· · · · · · · · · · · · · · · · · · ·	-	PHUC T DANG Xang huw Primary Examiner Art Unit: 2818

Art Unit: 2818

DETAILED ACTION

Examiner's Amendment

1. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in the telephone interview with William I. Solomon on September 20, 2006 as follows:

2. Claims 53 and 58-61 have been canceled.

Claims 1, 3-6, 8-23, 31-52 and 54-57 are currently pending in the application.

Examiner's Statement of Reasons for Allowance

- 3. Claims 1, 3-6, 8-23, 31-52 and 54-57 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the prior art of record, taken alone or in combination, fails to teach or reasonably suggests a multilayer wiring board comprising a <u>plurality of insulating layers</u>, a <u>plurality of conductive layers</u>, a <u>conductive non-through hole for electrically connecting the plurality of conductive layers to each other, and a capacitor produced by forming electrodes on <u>upper and lower surfaces of at least one insulating layer containing a high-dielectric material</u>, wherein the capacitor is in an arbitrary layer except for a core layer and a layer structure is <u>symmetrical</u>, a warpage is 4.0X10⁻⁴mm⁻¹ or less in curvature at a room temperature, and a</u>

Art Unit: 2818

hardened material of the high-dielectric material has a specific inductive capacity ranging from 20 to 100 at 25°C, 1MHz and a thickness ranging from 0.1 to 30 μm.

With respect to claim 4, the prior art of record, taken alone or in combination, fails to teach or reasonably suggests a multilayer wiring board comprising a plurality of insulating layers, a plurality of conductive layers, a conductive non-through hole for electrically connecting the plurality of conductive layers to each other, and a capacitor produced by forming electrodes on upper and lower surfaces of at least one insulating layer containing a high-dielectric material, wherein an insulating material different from the high-dielectric material is filled in a recessed portion between conductive patterns including the electrodes, and the surfaces of the conductive patterns and the surface of the filled insulating material are planarized.

With respect to claim 6, the prior art of record, taken alone or in combination, fails to teach or reasonably suggests a multilayer wiring board comprising a plurality of insulating layers, a plurality of conductive layers, a conductive hole for electrically connecting the plurality of conductive layers to each other, and a capacitor comprising at least one of the insulating layers containing a high-dielectric material having a specific inductive capacity ranging from 20 to 100 at 25°C, 1MHz and produced by forming electrodes on upper and lower surfaces of the insulating layer, wherein at least one side of the counter electrodes has a thickness ranging from 1 to 18 µm and is arranged inside an outer periphery of the electrode opposing the electrode having the thickness.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue Application/Control Number: 10/521,470

Page 4

Art Unit: 2818

fee. Such submission should be clearly labeled "Comments on Statement of Reasons for

Allowance".

6. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Phuc T. Dang whose telephone number is (571) 272-1776. The examiner

can normally be reached on 8:00 am-5:00 pm.

7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Harvey O Minsun can be reached on (571) 272-1835. The fax phone numbers for the

organization

where this application or proceeding is assigned are 571-273-8300 for regular communications

and After Final communications.

8. Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 703-308-0956.

Langshur

Phuc T. Dang

Primary Examiner

Art Unit 2818